CERTIFICATE OF MAILING

I hereby certify that this correspondence is being transmitted by either electronic submission using the EFS WEB submission system, fax to the U.S. Patent and Trademark office to fax number 571-273-8300, or is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 30, 2006.

Attorney for Applicants

PATENT

Docket No.RPS920020138US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Timothy W. Crockett et al.	)
Serial No.:	10/634,287	)
Filed:	August 5, 2003	) Group Art Unit: 2673
For:	KEY CODE FILTER APPARATUS AND METHOD	)
Examiner:	Jimmy H. Nguyen	)

AMENDMENT AND RESPONSE TO OFFICE ACTION

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Examiner:

In response to the Office Action mailed on March 30, 2006, Applicants respectfully request the reconsideration of the present application in view of the following remarks and amendments.

In the Specifications:

Please replace the paragraph starting on line 6 of page 11 with the following rewritten paragraph:

Referring to Figures 1A and 1B, in one embodiment, a key code filter 102 is inserted between a keyboard 100 and a host computer 104. While the particular embodiment of a keyboard is given here by way of example, it should be readily recognized that the present invention may be used with other types of input devices, including voice recognition modules, touch pads, light activation devices, and the like. Similarly, the host computer may be any computing device, including but not limited to an Internet or networking terminal, a main frame computer, distributive computing, a personal computer, a hand-held computer, and a processor in a customer services kiosk.

Please replace the paragraph starting on line 23 of page 13 with the following rewritten paragraph:

The host computer 104 includes volatile and nonvolatile memory that may be used as data buffers 242, memory buffers 242 used to temporarily hold key codes while being transferred to and from the CPU 234, and interrupt handlers 244 used to respond to incoming key codes. The memory 238 may also include the operating system 246 to act as an interface between applications 248 attempting to access keyboard information. A system control module 233 may be used to send control commands to the motherboard controller 232.

Please replace the paragraph starting on line 8 of page 14 with the following rewritten

paragraph:

With respect to Figure 3, the memory module 216, as illustrated in Figure 2, includes various executable code and operational data to provide certain functions of the key code filter 102. For example, in certain embodiments, the memory module 216 includes filter code 300. The filter code 300 includes the necessary logic to block selected key codes, while transmitting other selected key codes.

Please replace the paragraph starting on line 13 of page 14 with the following rewritten paragraph:

In certain embodiments, the filter code 300 includes a rules table 302. The rules table 302 includes a list of rules corresponding to each key code that can be received by the key code filter 102. The rules for certain key codes may be to transmit the key code. The rules for other key codes may be to block those key codes. Yet other rules may block certain key codes only if other key codes have been received first, indicating that a certain combination of key codes is to be blocked.

Please replace the paragraph starting on line 19 of page 14 with the following rewritten paragraph:

In selected embodiments, the filter code 300 includes a "make list" 304. The make list 304 is a list of make key codes that have been transmitted (e.g. not blocked), for which a corresponding release code has not yet been received. Likewise, in certain embodiments, the filter code 300 includes a "block list" 306 that lists each make code that has been blocked, and for which a corresponding release code has not yet been received. The make list 304 is used to keep track of keys that have been pressed but not yet released, in order to monitor combination of keys that are pressed simultaneously. For example, certain keys may be transmitted when pressed or released

alone. However, these same keys may be blocked if pressed in combination with other keys. The make list 304 aids in keeping track of these combinations.

In the Drawings:

Please replace page 1 with the attached replacement drawing sheet. Figure 1A is revised to remove the touch screen 120 and the voice recognition system 122. Please replace page 3 with the attached replacement drawing sheet. Figure 3 is revised to change "Filter Module 300" to "Filter Code 300" as suggested.